CLAIMS

What is claimed is:

1. A method of reallocating memory in a communication device, comprising the steps of:

receiving a signal over the air indicating a reallocation of non-removable memory in the communication device; and

reallocating the non-removable memory in accordance with the signal.

2. The method of claim 1, wherein the step of reallocating the non-removable memory comprises the step of reallocating memory at least between a random access memory and a java heap within the communication device.

3. The method of claim 1, wherein the step of reallocating the non-removable memory comprises the step of reallocating memory between FDI blocks and a DAV space of a flash memory device.

4. The method of claim 2, wherein the method further comprises the step of loading an application requiring a larger java heap than the java heap initially shipped with the communication device.

5. The method of claim 1, wherein the method further comprises the step of providing high-speed access between the non-removable memory and a processor within the communication device.

6. The method of claim 1, wherein the step of reallocating the non-removable memory comprises revising a memory map for the non-removable memory.

7. The method of claim 1, wherein the step of receiving the signal over the comprises the step of receiving packet data.

8. The method of claim 1, wherein the step of receiving the signal over the air comprises receiving a layer 3 message to a specific subscriber to enable the java heap to access additional memory.

9. The method of claim 1, wherein the method further comprises the step of billing a subscriber of a service using the communication device for the step of reallocating the memory.

10. A communication device, comprising:

a non-removable memory preconfigured with a first amount of space allocated for random access memory and a second amount of space allocated for a heap; and

a processor coupled to the non-removable memory and programmed to receive a signal over the air to re-allocate at least the first amount of space and the second amount of space in accordance with the signal.

11. The communication device of claim 10, wherein the heap is a java heap.

12. The communication device of claim 10, wherein the communication device is selected from the group comprising a cellular phone, a two-way pager, a trunked-two-way radio, an iDEN radio, and a smart phone.

13. The communication device of claim 10, wherein the non-removable memory provides high speed access to the processor.

14. A communication system, comprising:

a base transmitter for transmitting a signal over the air indicating a reallocation of a non-removable memory within a portable communication device;

a non-removable memory within the communication device preconfigured with a first amount of space allocated for random access memory and a second amount of space allocated for a heap; and

a processor coupled to the non-removable memory and programmed to receive the signal over the air to re-allocate at least the first amount of space and the second amount of space in accordance with the signal.

15. The communication system of claim 14, wherein the heap is a java heap.

16. The communication system of claim 14, wherein the communication device is selected from the group comprising a cellular phone, a two-way pager, a trunked-two-way radio, an iDEN radio, and a smart phone.

17. The communication system of claim 14, wherein the non-removable memory provides high speed access to the processor.

18. The communication system of claim 14, wherein the non-removable memory is flash memory and the processor reallocates memory between FDI blocks and a DAV space of the flash memory device in accordance with the signal.